



Consommation et  
Affaires commerciales Canada

Consumer and  
Corporate Affairs Canada

Bureau des brevets

Patent Office

Ottawa, Canada  
K1A 0C9

(21) (A1)

2,077,284

(22)

1992/09/01

(43)

1994/03/02

5,077,5/07

(51) INTL.CL.<sup>5</sup> A01N-059/14; A01N-065/00

(19) (CA) APPLICATION FOR CANADIAN PATENT (12)

(54) Project XP-11

(72) Heinmenberg, Hans - Canada ;  
Not Yet Known - ;

(73) Same as inventor

(57) 6 Claims

BEST AVAILABLE COPY

BEST AVAILABLE COPY

Notice: The specification contained herein as filed

Canada

CCA 3254 (10-92) 41 7530-21-936-3254

2077284

Abstract

A process for controlling insects by cleansing and destroying eggs/larvae leaving a residue to prevent the reinfestation through the use of an emulsion that is a combination of organic and non organic compounds combined together than mixed with water as a cleaning solution that is an insecticide.

THIS PAGE BLANK (USPTO)

# Specification 2077284

- (1) Cleansing with XP-11 has kept an apartment at 4101 Linton free of insects and "cockroaches" for the past six months while the 23 other apartments have problems.
- (2) "XP-11" is used twice a week for the first month; once a week for the second month; the third month, it is done once a month.
- (3) Cleansing is done by mixing one cup to one gallon of hot water. Washing walls, floors, cabinets, back of refrigerator (under) and back of stove (under). "Not used on dishes, clothing, etc.!"
- (4) The formulae is as follows:
 

|   |        |
|---|--------|
| (A) Boric acid powder                     | 27,00% |
| (B) Clove oil synthetic                   | 22,25% |
| (C) Soap powder ACS-1905-NAMRD-TAH        | 5,69%  |
| (D) Methanol                              | 21,00% |
| (E) Terpinene oil                         | 20,46% |
| (F) Tetrapotassium pyrophosphate          | 1,50%  |
| (G) Piperonyl butoxide                    | 1,00%  |
| (H) N-Octyl Bicycle pheptene Dicarboxmide | 1,00%  |
| (I) Chlorpyrifos                          | 0,25%  |
| (J) d-Trans Allethrin                     | 0,08%  |
| (K) Pyretheins                            | 0,05%  |
| (L) Tetrametherin                         | 0,35%  |
- (5) Claim 4 A&D are combined first.
- (6) Claim 4 B&E are combined second.
- (7) Claim 4 A&D + C + B4E are combined.
- (8) Claim 4 E, F, G & H are combined.
- (9) Claim 4 ABCDE & EFGH are combined.

## Patent Searched Areas

| Classes |       | Sub-classes                   |
|---------|-------|-------------------------------|
| AOIN    | 59/14 | Boric acid                    |
| AOIN    | 65/00 | Clove oil                     |
| AOIN    | 25/32 | Reducing noxious effect       |
| 167     | 4.1   | Emulsion                      |
| 167     | 4.0   | Organic non active ingredient |
| 167     | 5.3   | Clove oil                     |
| 167     | 28    | Boric acid                    |

BEST AVAILABLE COPY

(4) The formulae is as follows:

CLAIMS

|     |                                       |        |
|-----|---------------------------------------|--------|
| (A) | Boric acid powder                     | 27,00% |
| (B) | Clove oil synthetic                   | 22,25% |
| (C) | Soap powder ACS-1905-NAMRD-TAH        | 5,69%  |
| (D) | Methanol                              | 21,00% |
| (E) | Terpinene oil                         | 20,46% |
| (F) | Tetrapottasium pyrophosphate          | 1,50%  |
| (G) | Piperonyl butoxide                    | 1,00%  |
| (H) | N-Octyl Bicyclic phtene Dicarboximide | 1,00%  |
| (I) | Chlorpyrifos                          | 0,25%  |
| (J) | d-Trans Allethrin                     | 0,08%  |
| (K) | Pyrethroids                           | 0,05%  |
| (L) | Tetramethrin                          | 0,35%  |

(2) Claim 1 A&D are combined first.

(3) Claim 1 B&E are combined second.

(4) Claim 1 A&D + C + B&E are combined.

(5) Claim 1 E, F, G & H are combined.

(6) Claim 1 ABCDE & EFGH are combined.

#### Patent Searched Areas

| Classes |       | Sub-classes                   |
|---------|-------|-------------------------------|
| AOIN    | 59/14 | Boric acid                    |
| AOIN    | 65/00 | Clove oil                     |
| AOIN    | 25/32 | Reducing noxious effect       |
| 167     | 4.1   | Emulsion                      |
| 167     | 4.0   | Organic non active ingredient |
| 167     | 5.3   | Clove oil                     |
| 167     | 28    | Boric acid                    |

**SUBSTITUTE**

***REMPLACEMENT***

**SECTION is not Present**

***Cette Section est Absente***

**BEST AVAILABLE COPY**

**THIS PAGE BLANK (USPTO)**